



# *COMMONWEALTH of VIRGINIA*

## DEPARTMENT OF ENVIRONMENTAL QUALITY

### Blue Ridge Regional Office

[www.deq.virginia.gov](http://www.deq.virginia.gov)

David K. Paylor  
Director

Robert J. Weld  
Regional Director

Molly Joseph Ward  
Secretary of Natural Resources

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September 22, 2014

Mr. Tatsuo Kuroda  
President  
Dynax America Corporation  
568 East Park Drive  
Roanoke, Virginia 24019

Location: Botetourt County  
Registration No.: 21279  
County-Plant ID: 023-00039

Dear Mr. Kuroda:

Attached is a renewal Title V permit to operate your facility pursuant to 9 VAC 5 Chapter 80 of the Virginia Regulations for the Control and Abatement of Air Pollution.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and civil penalty. Please read all conditions carefully.

This approval to operate does not relieve Dynax America Corporation of the responsibility to comply with all other local, state, and federal permit regulations.

Issuance of this permit is a case decision. The Regulations, at 9 VAC 5-170-200, provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this permit is mailed or delivered to you. Please consult that and other relevant provisions for additional requirements for such requests.

Additionally, as provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal to court by filing a Notice of Appeal with:



Mr. David K. Paylor, Director  
Department of Environmental Quality  
P. O. Box 1105  
Richmond, VA 23218

In the event that you receive this permit by mail, three days are added to the period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for additional

information including filing dates and the required content of the Notice of Appeal.

If you have any questions concerning this permit, please contact the regional office at (540)562-6700.

Sincerely,

  
 Robert J. Weld  
Regional Director

Attachment: Permit  
Source Testing Report Format

cc: Director, OAPP (electronic file submission)  
Chief, Air Enforcement Branch (3AP13), U.S. EPA, Region III  
Manager/Inspector, Air Compliance



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### Federal Operating Permit Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1 of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act and 9VAC5-80-50 through 9VAC5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Dynax America Corporation
Facility Name:	Dynax America Corporation
Facility Location:	568 East Park Drive Roanoke, Virginia
Registration Number:	21279
Permit Number:	BRRO21279

September 22, 2014  
Effective Date

September 21, 2019  
Expiration Date

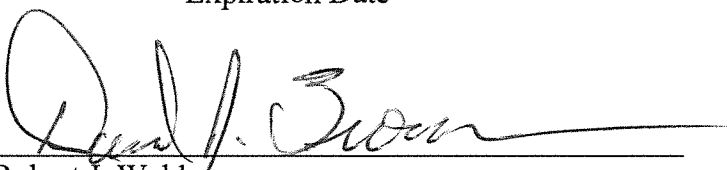
  
Robert J. Weld  
Regional Director

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## **Facility Information**

### Permittee

Dynax America Corporation  
568 East Park Drive  
Roanoke, VA 24019

### Responsible Official

Tatsuo Kuroda  
President

### Facility

Dynax America Corporation  
568 East Park Drive  
Roanoke, VA 24019

### Contact Person

Douglas J. Feuerbach  
Assistant Environmental Manager  
(540)777-9471

State-County-Plant Identification Number: 51-023-00039

Facility Description: NAICS/SIC Code: 336350/3714 – The facility manufactures steel friction disks and mating plates for motor vehicle automatic transmissions and torque converters.

## Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Permit Document Date
ST2	S4	Surface Treatment Line 2	90 tons/yr	scrubber		HCl	6/10/09
ST3	S8	Surface Treatment Line 3	180 tons/yr	scrubber		HCl	3/19/13
Sat1	S1	Vacuum dip tank, drying oven & curing	68 tons/yr	oxidizer		VOC, HAP	6/10/09
Sat2	S3	Dip tank, drying oven & curing	1231 tons/yr	oxidizer		VOC, HAP	6/10/09
SatSolv	S1,S3	Solvent cleaning & thinning	1419 tons/yr	oxidizer		VOC, HAP	6/10/09
Adh1	S1	Disc Line 1	15 tons/yr	oxidizer		VOC, HAP	6/10/09
Adh2	S3 S5-S7	Disc Lines 2 & 3, 4, & SFRC-1	88 tons/yr	oxidizer		VOC, HAP	6/10/09
TC	S3	Torque converter line, consisting of TC1 (MACT subject) and TC2 (non-MACT)	113 tons/yr	oxidizer		VOC, HAP	6/10/09
AdhSolv	S1,S3	Solvent cleaning & thinning	551 tons/yr	oxidizer		VOC, HAP	6/10/09
TM-1	S3	Target Molding Machine				VOC, HAP	3/19/13
AMRC-1	S6	Aftermarket Coating Line	900 pieces/hr	oxidizer		VOC, HAP	3/19/13
SFRC-2 – SFRC-9	S5-S7	Segment Facing Coating Lines 2-9	1,286 pieces/hr, each	oxidizer		VOC, HAP	3/19/13
RL-RC1, RL-RC2	S6,S7	Renewal Coating Lines 1-2	1,059 pieces/hr, each	oxidizer		VOC, HAP	3/19/13
BOILER	B1	Mohawk N.G. boiler, Model SN 4-5-508	4.2 MMBtu/hr				
WWGEN		Propane-fired Wastewater Treatment Plant Emergency Generator	126 bhp				

\*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

## Process Equipment Requirements

### Limitations

1. **Process Equipment Requirements - Limitations** - Volatile organic compound (VOC) emissions from saturation lines (Sat1 and Sat2), the adhesive lines (Adh1 and Adh2), the torque converter line (TC), and all dilution and cleaning processes (SatSolv and AdhSolv) shall be controlled by incineration (oxidizer). The oxidizers shall have a minimum destruction efficiency of 97.5 percent and a minimum set point temperature as determined by performance testing acceptable to VDEQ demonstrating compliance with the minimum destruction efficiency. The oxidizers shall be provided with adequate access for inspection and shall be in operation when the aforementioned processes are operating. The oxidizers will be in operation when any production operations vented to the respective oxidizers are in operation.  
(9VAC5-80-110 and Condition 2 of the 6/10/09 Permit Document)
2. **Process Equipment Requirements - Limitations** - Acidic emissions from the surface treatment lines (ST2, ST3) shall be controlled by alkaline scrubbers having a minimum control efficiency of 98.0 percent. Each scrubber shall be provided with adequate access for inspection and shall be in operation when any of the surface treatment lines, including storage, process, and transfer tanks and equipment, contains acid.  
(9VAC5-80-110)
3. **Process Equipment Requirements - Limitations** - Acidic emissions from the surface treatment lines (ST2, ST3) shall be controlled by total enclosure of the process equipment.  
(9VAC5-80-110)
4. **Process Equipment Requirements - Limitations** - Volatile organic compound (VOC) emissions from the saturation lines (Sat1 & Sat2) and the dilution and cleaning process (SatSolv) shall be controlled by total enclosure of the process equipment. For Sat2 this means a permanent total enclosure meeting the Method 204 standard. For Sat1 this means total enclosure of the resin application area and the drying oven, but not the short conveyor section connecting the two areas.  
(9VAC5-80-110 and Condition 3 of the 6/10/09 Permit Document)
5. **Process Equipment Requirements - Limitations** - Volatile organic compound (VOC) emissions from the five (5) adhesive lines (Adh1 & Adh2), the torque converter line (TC), and the adhesive line dilution and cleaning process (AdhSolv) shall be controlled by hoods and enclosures sufficient to achieve at least 90.0% capture efficiency for each line.  
(9VAC5-80-110 and Condition 4 of the 6/10/09 Permit Document)
6. **Process Equipment Requirements - Limitations** - Volatile organic compound (VOC) emissions from the coating lines (SFRC-2 through SFRC-9, AMRC-1, RL-RC1 and RL-RC2) shall be controlled by incineration (oxidizer). The oxidizers shall have minimum set point temperature as determined by performance testing demonstrating a minimum destruction efficiency of 99%. Each

oxidizer shall be provided with adequate access for inspection and shall be in operation when any of the coating lines is in operation.

(9VAC5-80-110 and Condition 2 of the 3/19/13 Permit Document)

7. **Process Equipment Requirements - Limitations** - Volatile organic compound (VOC) emissions capture devices shall be installed sufficient to achieve at least 97.5% capture efficiency for each of the coating lines (SFRC-2 through SFRC-9, AMRC-1, RL-1 and RL2).  
(9VAC5-80-110 and Condition 3 of the 3/19/13 Permit Document)
8. **Process Equipment Requirements - Limitations** - At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution practices for minimizing emissions.  
(9VAC5-80-110, Condition 5 of the 6/10/09 Permit Document, and Condition 5 of the 3/19/13 Permit Document)
9. **Process Equipment Requirements - Limitations** - The throughput of volatile organic compounds (VOC) used in the saturation lines (Sat1 & Sat2) and the saturation line dilution and cleaning process (SatSolv) combined shall not exceed the limits stated below, calculated monthly as the sum of each consecutive 12 month period:

Volatile Organic Compounds	280.5 tons/month	2,337.4 tons/yr
----------------------------	------------------	-----------------

(9VAC5-80-110 and Condition 7 of the 6/10/09 Permit Document)

10. **Process Equipment Requirements - Limitations** - The throughput of volatile organic compounds (VOC) used in the adhesive lines( Adh1 & Adh2), the torque converter line (TC), and the adhesive dilution and cleaning process (AdhSolv) combined shall not exceed the limits stated below, calculated monthly as the sum of each consecutive 12 month period:

Volatile Organic Compounds	81.8 tons/month	682.0 tons/yr
----------------------------	-----------------	---------------

(9VAC5-80-110 and Condition 8 of the 6/10/09 Permit Document)

11. **Process Equipment Requirements - Limitations** - The throughput of target resin matrix for the target molding machine (TM-1) shall not exceed 26.6 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9VAC5-80-110 and Condition 8 of the 3/19/13 Permit Document)



12. **Process Equipment Requirements - Limitations** - The approved fuel for the oxidizers is natural gas. A change in the fuel may require a permit to modify and operate.  
(9VAC5-80-110, Condition 4 of the 3/19/13 Permit Document, and Condition 9 of the 6/10/09 Permit Document)
13. **Process Equipment Requirements - Limitations** - Emissions from the operation of the saturation lines (Sat1 & Sat2) and the saturation line dilution and cleaning process (SatSolv) combined, including fugitive emissions, shall not exceed the limits specified below:
- |                            |              |
|----------------------------|--------------|
| Volatile Organic Compounds | 55.9 tons/yr |
|----------------------------|--------------|
- (9VAC5-80-110 and Condition 11 of the 6/10/09 Permit Document)
14. **Process Equipment Requirements - Limitations** - Emissions from the operation of the adhesive lines (Adh1 & Adh2), the torque converter line (TC), and the adhesive dilution and cleaning process (AdhSolv) combined, including fugitive emissions, shall not exceed the limits specified below:
- |                            |              |
|----------------------------|--------------|
| Volatile Organic Compounds | 91.2 tons/yr |
|----------------------------|--------------|
- (9VAC5-80-110 and Condition 12 of the 6/10/09 Permit Document)
15. **Process Equipment Requirements - Limitations** - Emissions from the operation of each oxidizer controlling the coating lines, after-market roll coater, or renewal lines (SFRC-2 through SFRC-9, AMRC1, RL-RC1 or RL-RC2) shall not exceed the limits specified below:
- |   |            |             |
|---|------------|-------------|
| Volatile Organic Compounds<br>(as Methanol) | 0.6 lbs/hr | 2.6 tons/yr |
|---|------------|-------------|
- (9VAC5-80-110 and Condition 9 of the 3/19/13 Permit Document)
16. **Process Equipment Requirements - Limitations** - Visible emissions from the oxidizers (PCD1, PCD2) shall not exceed five percent (5%) opacity except during one six-minute period in any one hour in which visible emissions shall not exceed ten percent (10%) opacity as determined by EPA Method 9 (reference 40CFR60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.  
(9VAC5-80-110, 9VAC5-50-80, and Condition 14 of the 6/10/09 Permit Document)
17. **Process Equipment Requirements - Limitations** - Visible emissions from the alkaline scrubbers shall not exceed five percent (5%) opacity except during one six-minute period in any one hour in which visible emissions shall not exceed ten percent (10%) opacity as determined by EPA Method 9 (reference 40CFR60, Appendix A).  
(9VAC5-80-110 and 9VAC5-50-80)

18. **Process Equipment Requirements - Limitations** - Visible emissions from each oxidizer exhaust controlling the coating lines, after-market roll coater, or renewal lines (SFRC-2 through SFRC-9, AMRC1, RL-RC1 or RL-RC2) shall not exceed 5 percent (5%) opacity as determined by EPA Method 9 (reference 40CFR60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction.  
(9VAC5-80-110, 9VAC5-50-80, and Condition 10 of the 3/19/13 Permit Document)

### **Monitoring**

19. **Process Equipment Requirements - Monitoring** - Each alkaline scrubber shall be equipped with devices to continuously measure and record liquid flow and pH. Each monitoring device shall be installed, maintained, calibrated and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. Each monitoring device shall be provided with adequate access for inspection and shall be in operation when the scrubber is operating.  
(9VAC5-80-110)
20. **Process Equipment Requirements - Monitoring** - Each coating line shall be equipped with devices to continuously measure and record duct static pressure. Alternatively, each coating line within a total enclosure meeting the design criteria for permanent total enclosure in Method 204 of 40CFR51 Appendix M shall be equipped with devices to continuously measure and record enclosure differential pressure. Each monitoring device shall be installed, maintained, calibrated and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. Each monitoring device shall be provided with adequate access for inspection and shall be in operation when any of the coating lines is operating.  
(9VAC5-80-110 and Condition 6 of the 3/19/13 Permit Document)
21. **Process Equipment Requirements - Monitoring** - Each oxidizer shall be equipped with a device to continuously measure and record the temperature at or near the chamber exit to indicate the temperature in the chamber. Each monitoring device shall be installed, maintained, calibrated and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. Each monitoring device shall be provided with adequate access for inspection and shall be in operation when any of the coating lines is operating.  
(9VAC5-80-110, Condition 7 of the 3/19/13 Permit Document, and Condition 2 of 6/10/09 Permit Document)

22. **Process Equipment Requirements - CAM** - The permittee shall implement a Compliance Assurance Monitoring (CAM) Plan to monitor the alkaline scrubber controlling hydrochloric acid (HCl) from Surface Treatment Line 3 in accordance with the following table. Each monitor shall be operated according to manufacturer's specifications, unless other methods are approved, and in compliance with 40CFR64.3(b) or (d).

	Indicator 1	Indicator 2
<b>Indicator</b>	Scrubber Liquid Flow Rate	Scrubber Liquid pH
<b>Measurement Approach</b>	Liquid Flow Meter	pH sensor
<b>Indicator Range</b>	An excursion is defined as one 3-hour reading below 140 gpm or the flow rate for the scrubber during the stack test demonstrating 98% control efficiency, if higher.	An excursion is defined as one 3-hour reading below a pH of 7.0 or the pH of the scrubber liquid during the stack test demonstrating 98% control efficiency, if higher.
<b>Performance Criteria</b>		
<b>Data Representativeness</b>	Flow rate sensor located in scrubber recirculation line	pH sensor located in scrubber remote recirculation tank
<b>Verification of Operational Status</b>	Meter has been installed and calibrated per manufacturer's recommendations	Meter has been installed and calibrated per manufacturer's recommendations
<b>QA/QC Practices and Criteria</b>	Maintain and calibrate in accordance with manufacturer's recommendations	Maintain and calibrate in accordance with manufacturer's recommendations
<b>Monitoring Frequency</b>	Continuous	Continuous
<b>Data Collection Procedures</b>	Computerized data acquisition system (chart recorder backup)	Computerized data acquisition system (chart recorder backup)
<b>Averaging Period</b>	3-hour average	3-hour average

Changes pertaining to the information in this condition shall not be implemented prior to approval by the DEQ. Changes may require public participation according to the requirements of 9VAC5-80-230.

(9VAC5-80-110 E and 40CFR64.6(c))

23. **Process Equipment Requirements - CAM** - The permittee shall conduct the monitoring and fulfill the other obligations specified in 40CFR64.7 through 40CFR64.9.  
(9VAC5-80-110 E and 40CFR64.6(c))

24. **Process Equipment Requirements - CAM** - At all times, the permittee shall maintain the monitoring equipment, including, but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.  
(9VAC5-80-110 E and 40CFR64.7(b))

25. **Process Equipment Requirements - CAM** - Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the

Surface Treatment Line 3 is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of compliance assurance monitoring, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The permittee shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by inadequate maintenance or improper operation are not malfunctions.  
(9VAC5-80-110 E and 40CFR64.7(c))

26. **Process Equipment Requirements - CAM** - Upon detecting an excursion or exceedance, the permittee shall restore operation of the Surface Treatment Line 3 (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup and shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator, designated condition, or below the applicable emission limitation or standard, as applicable.  
(9VAC5-80-110 E and 40CFR64.7(d)(1))
27. **Process Equipment Requirements - CAM** - Determination that acceptable procedures were used in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.  
(9VAC5-80-110 E and 40CFR64.7(d)(2))
28. **Process Equipment Requirements - CAM** - If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the permittee shall promptly (in accordance with Condition 81) notify the Director, Blue Ridge Regional Office and submit a proposed modification to this permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.  
(9VAC5-80-110 E, 40CFR64.7(e), and 40CFR64.6(c))

29. **Process Equipment Requirements - CAM** - If the number of exceedances or excursions exceeds 5 percent duration of the operating time for the Surface Treatment Line 3 for a semiannual reporting period (as established in Condition 78), or as otherwise required by the DEQ in accordance with review conducted under 40CFR64.7(d)(2), the permittee shall develop, implement and maintain a Quality Improvement Plan (QIP) in accordance with 40CFR64.8. If a QIP is required, the permittee shall have it available for inspection at the permitted facility.  
(9VAC5-80-110 E and 40CFR64.8(a) and (b))
30. **Process Equipment Requirements - CAM** - Monitoring imposed under 40 CFR Part 64 shall not excuse the permittee from complying with any existing requirements under federal, state, or local law, or any other applicable requirement under the Act, as described in 40CFR64.10.  
(9VAC5-80-110 and 40CFR64.10)
31. **Process Equipment Requirements - CAM** - The permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan (QIP) required pursuant to 40CFR64.8 and any activities undertaken to implement a quality improvement plan (QIP), and other supporting information required to be maintained under 40 CFR Part 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).  
(9VAC5-80-110 F and 40CFR64.9(b))
32. **Process Equipment Requirements - CAM** - The permittee shall submit CAM reports as part of the Title V semi-annual monitoring reports required by Condition 78 of this permit to the Director, Blue Ridge Regional Office. Such reports shall include at a minimum:
- a. Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;
  - b. Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and
  - c. A description of the actions taken to implement a quality improvement plan (QIP) during the reporting period as specified in 40CFR64.8. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

(9VAC5-80-110 F and 40CFR64.9(a))

## Recordkeeping

33. **Process Equipment Requirements - Recordkeeping** - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Blue Ridge Regional Office. These records shall include, but are not limited to:
- a. The permittee shall maintain the following information at all times for each coating line:
    - i. Coating application system number
    - ii. Method of application
    - iii. Number and types of coats applied to the substrate
    - iv. Drying method
    - v. Substrate type
  - b. The permittee shall maintain the following information on a daily basis for each coating line:
    - i. Coating application system number
    - ii. Time period of each application run
    - iii. Coating identification number
    - iv. Diluent and clean up solvent identification numbers
  - c. The permittee shall maintain the following information for each coating at all times:
    - i. Supplier name, coating name, and identification number
    - ii. Coating density (lb/gal)
    - iii. Volatile content of coating as supplied (percent by weight)
    - iv. Water content of coating as supplied (percent by weight)
    - v. Exempt solvent content of coating as supplied (percent by weight)
    - vi. Solids content of coating as supplied (percent by volume)
    - vii. Name of diluent added, if any
    - viii. Identification number of diluent
    - ix. Diluent VOC density (lbs/gal)
    - x. VOC content of diluent (percent by weight)
    - xi. Exempt solvent content of diluent (percent by weight)
    - xii. Diluent/coating ratio (gal diluent/gal coating)
  - d. The permittee shall maintain the following information at all times for the surface coating operations with controls:
    - i. Control device identification number and model number
    - ii. Manufacturer
    - iii. Installation date
    - iv. Coating application systems controlled
    - v. Whether or not the control device is always in operation when the system it is serving is in operation
    - vi. Type of control device
    - vii. Destruction or removal efficiency
    - viii. Date tested

- ix. Design combustion temperature (°F) for thermal oxidizers
  - x. Emission test results, including inlet VOC concentration (ppm), outlet VOC concentration (ppm), method of concentration determination, and date of determination
  - xi. Type and location of capture system
  - xii. Capture efficiency (percent)
  - xiii. Method of determining capture efficiency
- e. Daily and annual hours of operation of each coating line. Annual hours of operation shall be calculated monthly as the sum of each consecutive 12-month period, demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
- f. Daily and annual throughput (in gallons) of each cleaning solution, coating, and diluent, used in each coating line. Annual throughput shall be calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
- g. Daily and annual VOC emissions from each coating line. Annual emissions shall be calculated monthly as the sum of each consecutive 12 month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
- h. Annual throughput of all VOC containing adhesives, coatings, cleaners, and other materials used in the saturation lines (Sat1 & Sat2) and the saturation line dilution and cleaning process (SatSolv) combined necessary to demonstrate compliance with Condition 9, calculated monthly as the sum of each consecutive 12 month period.
- i. Annual throughput of VOC in the adhesive lines(Adh1 & Adh2), the torque converter line (TC), and the adhesive dilution and cleaning process (AdhSolv) combined necessary to demonstrate compliance with Condition 10, calculated monthly as the sum of each consecutive 12 month.
- j. Monthly and annual calculated emissions in tons of volatile organic compounds, including fugitive emissions, necessary to demonstrate compliance with Conditions 13 and 14. Annual emissions shall be calculated monthly as the sum of each consecutive 12 month period. Emission calculations shall be based on pollutant throughput, destruction efficiencies, and capture efficiencies acceptable to VDEQ.
- k. Monthly and annual calculated emissions in tons of volatile organic compounds, including fugitive emissions, necessary to demonstrate compliance with Condition 15. Annual emissions shall be calculated monthly as the sum of each consecutive 12 month period. Emission calculations shall be based on pollutant throughput, destruction efficiencies, and capture efficiencies acceptable to VDEQ.

- l. Monthly and annual target resin matrix throughput, in tons, for the target molding machine (TM-1). Annual throughput shall be calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
- m. Average daily and monthly VOC content (in lbs VOC/gal coating excluding water or lbs VOC/gal coating solids) from each coating line.
- n. Material Safety Data Sheets (MSDS) or other vendor information showing VOC content, toxic compound content, water content, solids content, and density for each adhesive and diluent used.
- o. Operation and control device monitoring records for each coating line and associated oxidizers as required in Conditions 20 and 21.
- p. Records of the scrubbing liquid pH and flow rate for each alkaline scrubber as required in Condition 19.
- q. Results of all stack tests and visible emissions evaluations.

These records shall be available on site for inspection by the VDEQ and shall be current for the most recent five (5) years.

(9VAC5-80-110, 9VAC5-50-50, Condition 14 of the 3/19/13 Permit Document, and Condition 16 of the 6/10/09 Permit Document)

**34. Process Equipment Requirements - Notifications** - The permittee shall furnish written notification to the Blue Ridge Regional Office of:

- a. The actual date on which construction of each emission unit (SFRC-2 through SFRC-9, AMRC-1, RL-RC1 and RL-RC2) commenced within 30 days after such date.
- b. The anticipated start-up date of each emission unit (SFRC-2 through SFRC-9, AMRC-1, RL-RC1 and RL-RC2) postmarked not more than 60 days nor less than 30 days prior to such date.
- c. The actual start-up date of each emission unit (SFRC-2 through SFRC-9, AMRC-1, RL-RC1 and RL-RC2) and the oxidizer(s) (PCD3, PCD4 and PCD5) within 15 days after such date.
- d. The anticipated date of the performance test(s) of each associated capture and control device postmarked at least 30 days prior to such date.

(9VAC5-80-110 and Condition 15 of the 3/19/13 Permit Document)



## Testing

35. **Process Equipment Requirements - Testing** - Initial performance tests shall be conducted for volatile organic compounds from each coating line (SFRC-2 through SFRC-9, AMRC-1, RL-RC1 and RL-RC2) to determine compliance with the capture efficiency contained in Condition 7. The tests shall be performed within 60 days after achieving the maximum production rate at which each unit will be operated but in no event later than 180 days after start-up of each unit. Tests shall be conducted and reported and data reduced as set forth in 9VAC5-50-30 and the test methods and procedures contained in each applicable section or subpart listed in 9VAC5-50-410. The details of the tests are to be arranged with the Blue Ridge Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. One copy of the test results shall be submitted to the Blue Ridge Regional Office within 45 days after test completion and shall conform to the test report format enclosed with this permit.  
(9VAC5-80-110 and Condition 12 of the 3/19/13 Permit Document)
36. **Process Equipment Requirements - Testing** - Initial performance tests shall be conducted for volatile organic compounds from each oxidizer to determine compliance with the emission limit and control efficiency contained in Conditions 6 and 15. The tests shall be performed within 60 days after achieving the maximum production rate but in no event later than 180 days after start-up. Tests shall be conducted and reported and data reduced as set forth in 9VAC5-50-30, and the test methods and procedures contained in each applicable section or subpart listed in 9VAC5-50-410. The details of the tests are to be arranged with the Blue Ridge Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. One copy of the test results shall be submitted to the Blue Ridge Regional Office within 45 days after test completion and shall conform to the test report format enclosed with this permit.  
(9VAC5-80-110 and Condition 13 of the 3/19/13 Permit Document)
37. **Process Equipment Requirements - Testing** - An initial performance test shall be conducted for hydrogen chloride (HCl) from the treatment scrubber (ST3) to determine compliance with the control efficiency contained in Condition 2. The test shall be performed within 180 days after the effective date of this permit. Tests shall be conducted and reported and data reduced as set forth in 9VAC5-50-30, and the test methods and procedures contained in each applicable section or subpart listed in 9VAC5-50-410. The details of the tests are to be arranged with the Blue Ridge Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. One copy of the test results shall be submitted to the Blue Ridge Regional Office within 45 days after test completion and shall conform to the test report format enclosed with this permit.  
(9VAC5-80-110)

## Facility-wide Requirements

38. **Facility-wide Requirement – Limitations** - Total emissions from the facility shall not exceed the limits specified below:

Volatile Organic Compounds 139.5 tons/yr

(9VAC5-80-110 and Condition 13 of the 6/10/09 Permit Document)

39. **Facility-wide Requirements – Limitations** - The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:
- Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.
  - Maintain an inventory of spare parts.
  - Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.
  - Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to VDEQ personnel upon request.

(9VAC5-80-110, Condition 19 of the 3/19/13 Permit Document, and Condition 21 of the 6/10/09 Permit Document)

40. **Facility-wide Requirements – Recordkeeping** - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Blue Ridge Regional Office. These records shall include, but are not limited to:

- Monthly and annual calculated emissions in tons of volatile organic compounds, including fugitive emissions, necessary to demonstrate compliance with Condition 38. All supporting data utilized in the calculations must be maintained. Annual emissions shall be calculated monthly as the sum of each consecutive 12 month period.

These records shall be available on site for inspection by the VDEQ and shall be current for the most recent five (5) years.

(9VAC5-80-110 and Condition 16 of the 6/10/09 Permit Document)

41. **Facility-wide Requirements – Testing** - The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.  
(9VAC5-50-30, 9VAC5-80-110, Condition 11 of the 3/19/13 Permit Document, and Condition 6 of the 6/10/09 Permit Document)

### **Emergency Engine (WWGEN) Requirements**

42. **MACT ZZZZ** – For the emergency engine (WWGEN), the permittee shall comply with 40CFR63 Subpart ZZZZ by complying with the applicable requirements of 40CFR60 Subpart JJJJ as listed in Conditions 43 through 47. No other requirements of this subpart apply.  
(9VAC5-80-110 and 40CFR63.6590(c))
43. **NSPS JJJJ** – The emergency engine (WWGEN) shall comply with the emission limitations of 40CFR60 Subpart JJJJ Table 1 for the entire life of the engine.  
(9VAC5-80-110, 40CFR60.4233(e), and 40CFR60.4234)
44. **NSPS JJJJ** –The emergency engine (WWGEN) shall be installed with a non-resettable hour meter.  
(9VAC5-80-110 and 40CFR60.4237(c))
45. **NSPS JJJJ** –The permittee shall comply with Condition 43 in accordance with 40CFR60.4243(b)(1) and (d). Operation for non-emergency purposes may require a permit to modify and operate pursuant to 9VAC5-80 Article 6.  
(9VAC5-80-110 and 40CFR60.4243)
46. **NSPS JJJJ** –The permittee shall maintain records and submit reports as required in 40CFR60.4245(a), (b), and (e).  
(9VAC5-80-110 and 40CFR60.4245)
47. **NSPS JJJJ** –The permittee shall comply with the applicable requirements of 40CFR60 Subpart A as listed in 40CFR60 Subpart JJJJ Table 3.  
(9VAC5-80-110 and 40CFR60.4246)
48. Visible emissions from the emergency engine (WWGEN) stack shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity.  
(9VAC5-80-110 and 9VAC5-50-80)

### **40CFR63 Subparts JJJJ and MMMM Requirements**

49. **MACT MMMM** – The permittee shall comply with 40CFR63 Subpart MMMM by complying with the following:
- a. The permittee shall comply with the requirements of 40CFR63 Subpart JJJJ as listed in Conditions 50 through 58.

- b. The permittee shall comply with the calculation and notification requirements of 40CFR63.3881(e)(2)(ii).
- c. If a change in “predominant activity” at the source occurs such that 40CFR63.3881(e)(2) does not allow for compliance with Subpart Mmmm via compliance with this permit, the permittee shall request a modification to this permit to include the applicable requirements from Subpart Mmmm.

(9VAC5-80-110, 9VAC5-60-100, and 40CFR63.3881)

- 50. **MACT JJJJ** – The permittee shall limit organic HAP emissions in compliance with one of the options in 40CFR63.3320(b)(1) – (4).  
(9VAC5-80-110, 9VAC5-60-100, and 40CFR63.3320)
- 51. **MACT JJJJ** – The permittee shall meet the operating limits in Table 1 of 40CFR63 Subpart JJJJ for each oxidizer and capture system.  
(9VAC5-80-110, 9VAC5-60-100, and 40CFR63.3321)
- 52. **MACT JJJJ** – The permittee shall comply with the general provisions of 40CFR63 Subpart A as specified in Table 2 of 40CFR63 Subpart JJJJ.  
(9VAC5-80-110, 9VAC5-60-100, and 40CFR63.3340)
- 53. **MACT JJJJ** – The permittee shall operate a continuous parameter monitoring system for each oxidizer in accordance with 40CFR63.3350(e).  
(9VAC5-80-110, 9VAC5-60-100, and 40CFR63.3350(a)(3))
- 54. **MACT JJJJ** – The permittee shall monitor each capture system operating parameter in accordance with 40CFR63.3350(f).  
(9VAC5-80-110, 9VAC5-60-100, and 40CFR63.3350(a)(4))
- 55. **MACT JJJJ** – The permittee shall conduct performance tests as required in 40CFR63.3360(a)(2).  
(9VAC5-80-110, 9VAC5-60-100, and 40CFR63.3360)
- 56. **MACT JJJJ** – The permittee shall demonstrate compliance with Condition 50 in accordance with 40CFR63.3370(e), (f), (g), or (h), as applicable.  
(9VAC5-80-110, 9VAC5-60-100, and 40CFR63.3370(a)(5))
- 57. **MACT JJJJ** – The permittee shall submit notifications and reports in accordance with 40CFR63.3400(c), (d), (e), (f), and (g).  
(9VAC5-80-110, 9VAC5-60-100, and 40CFR63.3400(a))
- 58. **MACT JJJJ** – The permittee shall maintain records required in 40CFR63.3410(a).  
(9VAC5-80-110, 9VAC5-60-100, and 40CFR63.3410)

## Natural Gas Boiler (BOILER) Requirements

59. **MACT DDDDD** – The permittee shall comply with the applicable requirements of 40CFR63 Subpart DDDDD as listed in Conditions 60 through 65 by the applicable compliance date as specified in §63.7495(b).  
(9VAC5 80-110 and 40CFR63.7495)
60. **MACT DDDDD** – The permittee shall comply with the work practice specified in 40CFR63.7500(e).  
(9VAC5 80-110 and 40CFR63.7500)
61. **MACT DDDDD** – The permittee shall comply with the applicable work practice tune-up requirements specified in 40CFR63.7515(d).  
(9VAC5 80-110 and 40CFR63.7515)
62. **MACT DDDDD** – The permittee shall comply with the initial compliance demonstration for the work practice standards specified in 40CFR63.7530(d) and (e).  
(9VAC5 80-110 and 40CFR63.7530)
63. **MACT DDDDD** – The permittee shall comply with the continuous compliance requirements specified in 40CFR63.7540(a)(12) and (b).  
(9VAC5 80-110 and 40CFR63.7540)
64. **MACT DDDDD** – The permittee shall comply with the notification requirements specified in 40CFR63.7545(a) and (e).  
(9VAC5 80-110 and 40CFR63.7545)
65. **MACT DDDDD** – The permittee shall comply with the reporting requirements specified in 40CFR63.7550(a), (b), and (c).  
(9VAC5 80-110 and 40CFR63.7550)
66. Visible emissions from the natural gas boiler (BOILER) stack shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity.  
(9VAC5-80-110 and 9VAC5-50-80)

## Insignificant Emission Units

67. The following emission units at the facility are identified in the application as insignificant emission units under 9VAC5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9VAC5-80-720B)	Rated Capacity (9VAC5-80-720C)
AMKT-AM	Aftermarket Assembly Machine	9VAC5-80-720B	VOC, HAP	
SFRC6ASolv	8 gal methanol tank	9VAC5-80-720B	VOC, HAP	

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9VAC5-80-720B)	Rated Capacity (9VAC5-80-720C)
SFRC6AAdh	8 gal adhesive tank	9VAC5-80-720B	VOC, HAP	
SFRC6Mix	8 gal mixing tank	9VAC5-80-720B	VOC, HAP	
RENEW1Solv	8 gal methanol tank	9VAC5-80-720B	VOC, HAP	
RENEW1Adh	8 gal adhesive tank	9VAC5-80-720B	VOC, HAP	
RENEW1Mix	8 gal mixing tank	9VAC5-80-720B	VOC, HAP	
SFRC1AMix	8 gal mixing tank	9VAC5-80-720B	VOC, HAP	
SFRC2&3ASolv	8 gal methanol tank	9VAC5-80-720B	VOC, HAP	
SFRC2&3AAdh	8 gal adhesive tank	9VAC5-80-720B	VOC, HAP	
SFRC2&3AMix	8 gal mixing tank	9VAC5-80-720B	VOC, HAP	
SFRC4&5ASolv	8 gal methanol tank	9VAC5-80-720B	VOC, HAP	
SFRC4&5AAdh	8 gal adhesive tank	9VAC5-80-720B	VOC, HAP	
SFRC4&5AMix	8 gal mixing tank	9VAC5-80-720B	VOC, HAP	
SFRC1ASolv	8 gal methanol tank	9VAC5-80-720B	VOC, HAP	
SFRC1AAdh	8 gal adhesive tank	9VAC5-80-720B	VOC, HAP	
DL1ABMix	11 gal mixing tank	9VAC5-80-720B	VOC, HAP	
DL3Solv	11 gal methanol tank	9VAC5-80-720B	VOC, HAP	
DL3Adh	13 gal adhesive tank	9VAC5-80-720B	VOC, HAP	
DL3Mix	11 gal mixing tank	9VAC5-80-720B	VOC, HAP	
TC1Mix	17 gal mixing tank	9VAC5-80-720B	VOC, HAP	
DL1ASolv	11 gal methanol tank	9VAC5-80-720B	VOC, HAP	
DL1AAdh	13 gal adhesive tank	9VAC5-80-720B	VOC, HAP	
DL1AMix	11 gal mixing tank	9VAC5-80-720B	VOC, HAP	
DL1BSolv	11 gal methanol tank	9VAC5-80-720B	VOC, HAP	
DL1BAdh	13 gal adhesive tank	9VAC5-80-720B	VOC, HAP	
B2000	2,000 gal resin tank	9VAC5-80-720B	VOC, HAP	
A5000	5,000 gal resin tank	9VAC5-80-720B	VOC, HAP	
B5000	5,000 gal resin tank	9VAC5-80-720B	VOC, HAP	
A180	180 gal resin tank	9VAC5-80-720B	VOC, HAP	
B180	180 gal resin tank	9VAC5-80-720B	VOC, HAP	
AB180	180 gal resin tank	9VAC5-80-720B	VOC, HAP	
C110	110 methanol tank	9VAC5-80-720B	VOC, HAP	
B1600	1,600 gal resin tank	9VAC5-80-720B	VOC, HAP	
A1500	1,500 gal resin tank	9VAC5-80-720B	VOC, HAP	
A2000	2,000 gal resin tank	9VAC5-80-720B	VOC, HAP	
C1600	1,600 gal methanol tank	9VAC5-80-720B	VOC, HAP	
C8000	8,000 gal methanol tank	9VAC5-80-720B	VOC, HAP	
A350-1	350 gal resin tank	9VAC5-80-720B	VOC, HAP	
A350-2	350 gal resin tank	9VAC5-80-720B	VOC, HAP	
TC2Mix	17 gal mixing tank	9VAC5-80-720B	VOC, HAP	

These insignificant emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9VAC5-80-110.

## Permit Shield & Inapplicable Requirements

68. Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility, or portions thereof:

Citation	Title of Citation	Description of Applicability
MACT QQQQQ	Friction Products MACT	From determination letter of June 16, 2005, this regulation does not apply to the facility.
MACT MMMM (for Sat1)	Misc. Metal Coating MACT	From determination letter of July 10, 2006, this regulation does not apply to Saturation Line 1

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by (i) the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.  
(9VAC5-80-140)

## General Conditions

69. **General Conditions - Federal Enforceability** - All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.  
(9VAC5-80-110 N)
70. **General Conditions - Permit Expiration** - This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9VAC5-80-80, the right of the facility to operate shall be terminated upon permit expiration.  
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D and 9VAC5-80-170 B)
71. **General Conditions - Permit Expiration** - The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.  
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D and 9VAC5-80-170 B)
72. **General Conditions - Permit Expiration** - If an applicant submits a timely and complete application for an initial permit or renewal under 9VAC5-80-80, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9VAC5 Chapter 80, until the Board takes final action on the application under 9VAC5-80-150.  
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D and 9VAC5-80-170 B)

73. **General Conditions - Permit Expiration** - No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9VAC5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9VAC5 Chapter 80.  
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D and 9VAC5-80-170 B)
74. **General Conditions - Permit Expiration** - If an applicant submits a timely and complete application under section 9VAC5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9VAC5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.  
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D and 9VAC5-80-170 B)
75. **General Conditions - Permit Expiration** - The protection under subsections F 1 and F 5 (ii) of section 9VAC5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9VAC5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.  
(9VAC5-80-80 B, C, and F, 9VAC5-80-110 D and 9VAC5-80-170 B)
76. **General Conditions -Recordkeeping and Reporting** - All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:
- a. The date, place as defined in the permit, and time of sampling or measurements;
  - b. The date(s) analyses were performed;
  - c. The company or entity that performed the analyses;
  - d. The analytical techniques or methods used;
  - e. The results of such analyses; and
  - f. The operating conditions existing at the time of sampling or measurement.
- (9VAC5-80-110 F)
77. **General Conditions -Recordkeeping and Reporting** - Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.  
(9VAC5-80-110 F)



78. **General Conditions -Recordkeeping and Reporting** - The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than March 1 and September 1 of each calendar year. This report must be signed by a responsible official, consistent with 9VAC5-80-80 G, and shall include:
- a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31; and
  - b. All deviations from permit requirements. For purpose of this permit, deviations include, but are not limited to:
    - i. Exceedance of emissions limitations or operational restrictions;
    - ii. Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,
    - iii. Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.
  - c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9VAC5-80-110 F)

79. **General Conditions - Annual Compliance Certification** - Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices for the period ending December 31. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. The permittee shall maintain a copy of the certification for five (5) years after submittal of the certification. This certification shall be signed by a responsible official, consistent with 9VAC5-80-80 G, and shall include:
- a. The time period included in the certification. The time period to be addressed is January 1 to December 31;
  - b. The identification of each term or condition of the permit that is the basis of the certification;
  - c. The compliance status;
  - d. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance;

- e. Consistent with subsection 9VAC5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period;
- f. Such other facts as the permit may require to determine the compliance status of the source; and
- g. One copy of the annual compliance certification shall be submitted to EPA in electronic format only. The certification document should be sent to the following electronic mailing address:

R3\_APD\_Permits@epa.gov

(9VAC5-80-110 K.5)

80. **General Conditions - Permit Deviation Reporting** - The permittee shall notify the Blue Ridge Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. Owners subject to the requirements of 9VAC5-40-50 C and 9VAC5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9VAC5-40-40 and 9VAC5-50-40. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to Condition 78 of this permit.  
(9VAC5-80-110 F.2 and 9VAC5-80-250)
81. **General Conditions - Failure/Malfunction Reporting** - In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Blue Ridge Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9VAC5-40-50 C and 9VAC5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9VAC5-40-40 and 9VAC5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Blue Ridge Regional Office.  
(9VAC5-20-180 C)
82. **General Conditions - Severability** - The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.  
(9VAC5-80-110 G.1)

83. **General Conditions - Duty to Comply** - The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is ground for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.  
(9VAC5-80-110 G.2)
84. **General Conditions - Need to Halt or Reduce Activity not a Defense** - It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.  
(9VAC5-80-110 G.3)
85. **General Conditions - Permit Modification** - A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9VAC5-80-50, 9VAC5-80-1100, 9VAC5-80-1605, or 9VAC5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.  
(9VAC5-80-190 and 9VAC5-80-260)
86. **General Conditions - Property Rights** - The permit does not convey any property rights of any sort, or any exclusive privilege.  
(9VAC5-80-110 G.5)
87. **General Conditions - Duty to Submit Information** - The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.  
(9VAC5-80-110 G.6)
88. **General Conditions - Duty to Submit Information** - Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9VAC5-80-80 G.  
(9VAC5-80-110 K.1)
89. **General Conditions - Duty to Pay Permit Fees** - The owner of any source for which a permit under 9VAC5-80-50 through 9VAC5-80-300 was issued shall pay permit fees consistent with the requirements of 9VAC5-80-310 through 9VAC5-80-350 in addition to an annual permit maintenance fee consistent with the requirements of 9VAC5-80-2310 through 9VAC5-80-2350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department. The amount of the annual permit maintenance fee shall be the largest applicable base permit maintenance fee amount from Table 8-11A in 9VAC5-80-2340, adjusted annually by the change in the Consumer Price Index.  
(9VAC5-80-110 H, 9VAC5-80-340 C and 9VAC5-80-2340 B)

90. **General Conditions - Fugitive Dust Emission Standards** - During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:
- a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;
  - b. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;
  - c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;
  - d. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,
  - e. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.
- (9VAC5-50-90)
91. **General Conditions - Startup, Shutdown, and Malfunction** - At all times, including periods of startup, shutdown, and soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.  
(9VAC5-50-20 E)
92. **General Conditions - Alternative Operating Scenarios** - Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9VAC5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9VAC5 Chapter 80, Article 1.  
(9VAC5-80-110 J)

93. **General Conditions - Inspection and Entry Requirements** - The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

- a. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.
- b. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.
- c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.
- d. Sample or monitor at reasonable times' substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9VAC5-80-110 K.2)

94. **General Conditions - Reopening For Cause** - The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9VAC5-80-80 F. The conditions for reopening a permit are as follows:

- a. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- b. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
- c. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9VAC5-80-110 D.

(9VAC5-80-110 L)

95. **General Conditions - Permit Availability** - Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.

(9VAC5-80-150 E)

96. **General Conditions - Transfer of Permits** - No person shall transfer a permit from one location to another, unless authorized under 9VAC5-80-130, or from one piece of equipment to another.  
(9VAC5-80-160)
97. **General Conditions - Transfer of Permits** - In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9VAC5-80-200.  
(9VAC5-80-160)
98. **General Conditions - Transfer of Permits** - In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9VAC5-80-200.  
(9VAC5-80-160)
99. **General Conditions - Malfunction as an Affirmative Defense** - A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements stated in Condition 100 are met.  
(9VAC5-80-250)
100. **General Conditions - Malfunction as an Affirmative Defense** - The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:
- a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.
  - b. The permitted facility was at the time being properly operated.
  - c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.
  - d. The permittee notified the Board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9VAC5-80-110 F.2.b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9VAC5-20-180 C.
- (9VAC5-80-250)

101. **General Conditions - Malfunction as an Affirmative Defense** - In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.  
(9VAC5-80-250)
102. **General Conditions - Malfunction as an Affirmative Defense** - The provisions of 9VAC5-80-250 are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.  
(9VAC5-80-250)
103. **General Conditions - Permit Revocation or Termination for Cause** - A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9VAC5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.  
(9VAC5-80-190 C and 9VAC5-80-260)
104. **General Conditions - Duty to Supplement or Correct Application** - Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.  
(9VAC5-80-80 E)
105. **General Conditions - Stratospheric Ozone Protection** - If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.  
(40 CFR Part 82, Subparts A-F)
106. **General Conditions - Asbestos Requirements** - The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40CFR61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40CFR61.145), Standards for Insulating Materials (40CFR61.148), and Standards for Waste Disposal (40CFR61.150).  
(9VAC5-60-70 and 9VAC5-80-110 A.1)
107. **General Conditions - Accidental Release Prevention** - If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40CFR68.115, the permittee shall comply with the requirements of 40 CFR Part 68.  
(40 CFR Part 68)

108. **General Conditions - Changes to Permits for Emissions Trading** - No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.  
(9VAC5-80-110 I)
109. **General Conditions - Emissions Trading** - Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:
- a. All terms and conditions required under 9VAC5-80-110, except subsection N, shall be included to determine compliance.
  - b. The permit shield described in 9VAC5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.
  - c. The owner shall meet all applicable requirements including the requirements of 9VAC5-80-50 through 9VAC5-80-300.

(9VAC5-80-110 I)